

Abstract of the Disclosure

The present invention relates to a method of visual tracking with use of color. The visual tracking method according to the 5 present invention comprise the step of 3-dimensional color modeling of the target, the step of target recognition for initially perceiving the target, and the step of visual tracking for repetitive visual tracking.

In order to be robust to irregular or abrupt changes of 10 illumination, the present invention provides a visual tracking method in which characteristics of the photographing element (CCD or CMOS) used by the camera is analyzed beforehand and the results of the analysis is modeled by B-spline curve, then allowing effects of the real-time visual tracking and the adaptability to situations 15 of rapid target movement.